

supervised practice in the assigned tasks, and the performance of work duties at times or places where production is not the primary objective; or,

(ii) *Supervised operation during production.* The training shall include, while under direct and immediate supervision and production is in progress, operation of the machine or equipment and the performance of work duties.

(3) *New or modified machines and equipment.* Equipment and machine operators shall be instructed in safe operating procedures applicable to new or modified machines or equipment to be installed or put into operation in the mine, which require new or different operating procedures.

(4) Such other courses as may be required by the District Manager based on circumstances and conditions at the mine.

(b) Miners under paragraph (a) of this section shall not operate the equipment or machine or engage in blasting operations without direction and immediate supervision until such miners have demonstrated safe operating procedures for the equipment or machine or blasting operation to the operator or the operator's agent.

(c) Miners assigned a new task not covered in paragraph (a) of this section shall be instructed in the safety and health aspects and safe work procedures of the task, including information about the physical and health hazards of chemicals in the miner's work area, the protective measures a miner can take against these hazards, and the contents of the mine's HazCom program, prior to performing such task.

(d) All training and supervised practice and operation required by this section shall be given by a qualified trainer, or a supervisor experienced in the assigned tasks, or other person experienced in the assigned tasks.

[43 FR 47459, Oct. 13, 1978, as amended at 47 FR 23640, May 28, 1982; 67 FR 42389, June 21, 2002; 73 FR 80612, Dec. 31, 2008]

§ 48.28 Annual refresher training of miners; minimum courses of instruction; hours of instruction.

(a) Each miner shall receive a minimum of 8 hours of annual refresher training as prescribed in this section.

(b) The annual refresher training program for all miners shall include the following courses of instruction:

(1) *Mandatory health and safety standards.* The course shall include mandatory health and safety standard requirements which are related to the miner's tasks.

(2) *Transportation controls and communication systems.* The course shall include instruction on the procedures for riding on and in mine conveyances; the controls in effect for the transportation of miners and materials; and the use of the mine communication systems, warning signals, and directional signs.

(3) *Escape and emergency evacuation plans; firewarning and firefighting.* The course shall include a review of the mine escape system; escape and emergency evacuation plans in effect at the mine; and instruction in the firewarning signals and firefighting procedures.

(4) *Ground control; working in areas of highwalls, water hazards, pits, and spoil banks; illumination and night work.* The course shall include, where applicable, a review and instruction on the highwall and ground control plans in effect at the mine; procedures for working safely in areas of highwalls, water hazards, pits, and spoil banks; the illumination of work areas; and safe work procedures during hours of darkness.

(5) *First aid.* The course shall include a review of first aid methods acceptable to MSHA.

(6) *Electrical hazards.* The course shall include recognition and avoidance of electrical hazards.

(7) *Prevention of accidents.* The course shall include a review of accidents and causes of accidents, and instruction in accident prevention in the work environment.

(8) *Health.* The course shall include instruction on the purpose of taking dust measurements, where applicable, and noise and other health measurements, and any health control plan in effect at the mine shall be explained. The health provisions of the Act and warning labels shall also be explained.

(9) *Explosives.* The course shall include a review and instruction on the hazards related to explosives. The only

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exception to this course component is when there are no explosives used or stored on the mine property.

(10) *Self-rescue and respiratory devices.* The course shall include instruction and demonstration in the use, care, and maintenance of self-rescue and respiratory devices, where applicable.

(11) Such other courses as may be required by the District Manager based on circumstances and conditions at the mine.

(c) Refresher training may include other health and safety subjects that are relevant to mining operations at the mine. Recommended subjects include, but are not limited to, information about the physical and health hazards of chemicals in the miner's work area, the protective measures a miner can take against these hazards, and the contents of the mine's HazCom program.

(d) All persons employed as shaft or slope construction workers on June 28, 2006 must receive annual refresher training within 12 months of June 2006.

(e) Where annual refresher training is conducted periodically, such sessions shall not be less than 30 minutes of actual instruction time and the miners shall be notified that the session is part of annual refresher training.

[43 FR 47459, Oct. 13, 1978, as amended at 47 FR 23641, May 28, 1982; 63 FR 53761, Oct. 6, 1998; 70 FR 77728, Dec. 30, 2005]

§ 48.29 Records of training.

(a) Upon a miner's completion of each MSHA approved training program, the operator shall record and certify on MSHA form 5000-23 that the miner has received the specified training. A copy of the training certificate shall be given to the miner at the completion of the training. The training certificates for each miner shall be available at the mine site for inspection by MSHA and for examination by the miners, the miners' representative and State inspection agencies. When a miner leaves the operator's employ, the miner shall be entitled to a copy of his training certificates.

(b) False certification that training was given shall be punishable under section 110 (a) and (f) of the Act.

(c) Copies of training certificates for currently employed miners shall be

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kept at the mine site for 2 years, or for 60 days after termination of employment.

(Pub. L. No. 96-511, 94 Stat. 2812 (44 U.S.C. 3501 *et seq.*))

[43 FR 47459, Oct. 13, 1978, as amended at 47 FR 14706, Apr. 6, 1982; 60 FR 33723, June 29, 1995]

§ 48.30 Compensation for training.

(a) Training shall be conducted during normal working hours; miners attending such training shall receive the rate of pay as provided in § 48.22(d) (Definition of normal working hours) of this subpart B.

(b) If such training shall be given at a location other than the normal place of work, miners shall be compensated for the additional costs, such a mileage, meals, and lodging, they may incur in attending such training sessions.

§ 48.31 Hazard training.

(a) Operators shall provide to those miners, as defined in § 48.22(a) (2) (Definition of miner) of this subpart B, a training program before such miners commence their work duties. This training program shall include the following instruction, which is applicable to the duties of such miners:

(1) Hazard recognition and avoidance;

(2) Emergency and evacuation procedures;

(3) Health and safety standards, safety rules and safe working procedures;

(4) Self-rescue and respiratory devices; and,

(5) Such other instruction as may be required by the District Manager based on circumstances and conditions at the mine.

(b) Miners shall receive the instruction required by this section at least once every 12 months.

(c) The training program required by this section shall be submitted with the training plan required by § 48.23(a) (Training plans: Submission and approval) of this subpart B and shall include a statement on the methods of instruction to be used.

(d) In accordance with § 48.29 (Records of training) of this subpart B, the operator shall maintain and make available for inspection, certificates that miners